

Appendix 4
SELECTED HURRICANE EVACUATION DATA*

Accomack County

1. **STORM SURGE**

<u>Saffir-Simpson Category</u>	<u>Storm Scenario</u>	<u>Maximum Surge Height (in feet) Wachapreague</u>	<u>Still Water Elevation Chincoteague</u>
1-2	A	10.4	19.8
3-4	B	9.1	18.9

2. **VULNERABILITY** - (Population: 32,300)

<u>Saffir-Simpson Category</u>	<u>Storm Scenario</u>	<u>Vulnerable Population w/ Tourist Occupancy Low</u>	<u>High</u>
1-2	A	13,937	13,960
3-4	B	19,173	29,196

3. **EVACUATION** - (See source document, Figure 6-2, for a map of evacuation zones.)

<u>Saffir-Simpson Category</u>	<u>Storm Scenario</u>	<u>Evacuate All Persons in Zones</u>	<u>Evacuate Mobile Home Residents in Zones</u>	<u>People Evacuating Dwelling Units</u>	<u>Vehicles Evacuating Dwelling Units</u>
1-2	A	1-10	11-30	13,940 to	7,030 to
3-4	B	1-24	25-30	29,200	12,780

4. **CLEARANCE TIMES (in hours)**

<u>Saffir-Simpson Category</u>	<u>Response</u>	<u>w/ Tourist Occupancy Low</u>	<u>High</u>
1-2	Rapid	6 1/2	9 1/4
	Medium	7 1/2	10
	Slow	9 1/2	11
3-4	Rapid	7 1/2	10
	Medium	8 1/4	10 1/2
	Slow	9 1/2	11 1/2

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City of Chesapeake

1. STORM SURGE

<u>Saffir-Simpson Category</u>	<u>Storm Scenario</u>	<u>Maximum Surge Height (in feet) Still Water Elevation Deep Creek</u>
1-2	A	3.8
3	B	9.3
4	C	15.0

2. VULNERABILITY - (Population: 140,100)

<u>Saffir-Simpson Category</u>	<u>Storm Scenario</u>	<u>Vulnerable Population w/ Tourist Occupancy</u>		
		<u>Low</u>	<u>Medium</u>	<u>High</u>
1	A	--	--	6,858
2-3	B	--	--	20,948
4	C	--	--	48,408

3. EVACUATION - (See source document, Figure 6-4, for a map of evacuation zones.)

<u>Saffir-Simpson Category</u>	<u>Storm Scenario</u>	<u>Evacuate All Persons in Zones</u>	<u>Evacuate Mobile Home Residents in Zones</u>	<u>People Evacuating Dwelling Units</u>	<u>Vehicles Evacuating Dwelling Units</u>
1	A	--	1-23	6,858	2,770
2-3	B	1-6	7-23	to	to
4	C	1-15,20	16-19,21-23	48,408	19,510

4. CLEARANCE TIMES (in hours)

<u>Saffir-Simpson Category</u>	<u>Response</u>	<u>w/ Tourist Occupancy</u>	
		<u>Low</u>	<u>High</u>
1	Rapid	3	4
	Medium	6	6
	Slow	9	9
2-3	Rapid	5 1/4	6 1/4
	Medium	6	7
	Slow	9	9
4	Rapid	8 1/2	9 3/4
	Medium	9 1/4	10 1/4
	Slow	10 1/4	11 1/4

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Gloucester County

1. STORM SURGE

<u>Saffir-Simpson Category</u>	<u>Storm Scenario</u>	<u>Maximum Surge Height (in feet) Glass (Severn R.)</u>	<u>Still Water Elevation Yorktown</u>
1-2	A	9.0	9.5
3-4	B	16.2	15.5

2. VULNERABILITY - (Population: 30,600)

<u>Saffir-Simpson Category</u>	<u>Storm Scenario</u>	<u>Vulnerable Population w/ Tourist Occupancy</u>		
		<u>Low</u>	<u>Medium</u>	<u>High</u>
1-2	A	--	--	8,654
3-4	B	--	--	10,670

3. EVACUATION - (See source document, Figure 6-4, for a map of evacuation zones.)

<u>Saffir-Simpson Category</u>	<u>Storm Scenario</u>	<u>Evacuate All Persons in Zones</u>	<u>Evacuate Mobile Home Residents in Zones</u>	<u>People Evacuating Dwelling Units</u>	<u>Vehicles Evacuating Dwelling Units</u>
1-2	A	1-7	8-18	8,654 to	4,330
3-4	B	1-11	12-18	10,670	5,340

4. CLEARANCE TIMES (in hours)

<u>Saffir-Simpson Category</u>	<u>Response</u>	
1-2	Rapid	4 1/4
	Medium	6 1/4
	Slow	9 1/4
3	Rapid	8 1/2
	Medium	10 1/2
	Slow	13 1/2

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City of Hampton

1. STORM SURGE

Saffir-Simpson Category	Storm Scenario	Maximum Surge Height (in feet) <u>Grandview</u>	Still Water Elevation <u>Langley AFB</u>
1-2	A	8.3	9.1
3	B	11.6	12.7
4	C	14.6	15.8

2. VULNERABILITY - (Population: 128,100)

Saffir-Simpson Category	Storm Scenario	Vulnerable Population w/ Tourist Occupancy		
		<u>Low</u>	<u>Medium</u>	<u>High</u>
1-2	A	--	--	40,794
3	B	--	--	44,508
4	C	--	--	76,886

3. EVACUATION - (See source document, Figure 6-9, for a map of evacuation zones.)

Saffir-Simpson Category	Storm Scenario	Evacuate All Persons in Zones	Evacuate Mobile Home Residents in Zones	People Evacuating Dwelling Units	Vehicles Evacuating Dwelling Units
1-2	A	1-12	13-28	40,794	15,850
3	B	1-14	15-28	to	to
4	C	1-25	26-28	76,886	29,880

4. CLEARANCE TIMES (in hours)

Saffir-Simpson Category	Response	w/ Tourist Occupancy	
		<u>Low</u>	<u>High</u>
1-2	Rapid	9 3/4	11 1/2
	Medium	11	12 1/2
	Slow	12 3/4	14 1/2
3	Rapid	15 1/2	17
	Medium	16 1/2	18 1/4
	Slow	18 1/4	20
4	Rapid	19	21
	Medium	20 1/4	22 1/4
	Slow	22	24

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Lancaster County

1. STORM SURGE

<u>Saffir-Simpson Category</u>	<u>Storm Scenario</u>	<u>Maximum Surge Height (in feet) Still Water Elevation</u>		
		<u>Windmill Point</u>	<u>Corrotown</u>	<u>Mollusk</u>
1-4 A	9.7	11.3	10.1	

2. VULNERABILITY - (Population: 11,800)

<u>Saffir-Simpson Category</u>	<u>Storm Scenario</u>	<u>Vulnerable Population w/ Tourist Occupancy</u>		
		<u>Low</u>	<u>Medium</u>	<u>High</u>
1-4 A	--	--	2,140	

3. EVACUATION - (See source document, Figure 6-18, for a map of evacuation zones.)

<u>Saffir-Simpson Category</u>	<u>Storm Scenario</u>	<u>Evacuate All Persons in Zones</u>	<u>Evacuate Mobile Home Residents in Zones</u>	<u>People Evacuating Dwelling Units</u>	<u>Vehicles Evacuating Dwelling Units</u>
1-4 A	1-4	5-10	2,140	1,170	

4. CLEARANCE TIMES (in hours)

<u>Saffir-Simpson Category</u>	<u>Response</u>	
	Rapid	3 1/4
1-4	Medium	6 1/4
	Slow	9 1/4

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Mathews County

1. STORM SURGE

<u>Saffir-Simpson Category</u>	<u>Storm Scenario</u>	<u>Maximum Surge Height (in feet)</u>			<u>Still Water Elevation</u>
		<u>New Point Comfort</u>	<u>Diggs</u>	<u>Gwynn Island</u>	
1-2	A	8.0	5.8	5.3	
3	B	11.1	8.5	8.0	
4	C	14.4	10.9	10.4	

2. VULNERABILITY - (Population: 9,300)

<u>Saffir-Simpson Category</u>	<u>Storm Scenario</u>	<u>Vulnerable Population w/ Tourist Occupancy</u>		
		<u>Low</u>	<u>Medium</u>	<u>High</u>
1-2	A	--	--	2,922
3	B	--	--	4,902
4	C	--	--	6,326

3. EVACUATION - (See source document, Figure 6-13, for a map of evacuation zones.)

<u>Saffir-Simpson Category</u>	<u>Storm Scenario</u>	<u>Evacuate All Persons in Zones</u>	<u>Evacuate Mobile Home Residents in Zones</u>	<u>People Evacuating Dwelling Units</u>	<u>Vehicles Evacuating Dwelling Units</u>
1-2	A	1-110	11-24	2,922	2,080
3	B	1-19	20-24	to	to
4	C	1-23	24	6,336	4,170

4. CLEARANCE TIMES (in hours)

<u>Saffir-Simpson Category</u>	<u>Response</u>	
1-2	Rapid	3 1/4
	Medium	6 1/4
	Slow	9 1/4
3-4	Rapid	3 1/4
	Medium	6 1/4
	Slow	9 1/4

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Middlesex County

1. **STORM SURGE**

<u>Saffir-Simpson Category</u>	<u>Storm Scenario</u>	<u>Maximum Surge Height (in feet) Gwynn Island (Mathews Co.)</u>	<u>Still Water Elevation Windmill Point (Lancaster Co.)</u>
1-4	A	10.4	9.7

2. **VULNERABILITY** - (Population: 8,900)

<u>Saffir-Simpson Category</u>	<u>Storm Scenario</u>	<u>Vulnerable Population w/ Tourist Occupancy</u>		
		<u>Low</u>	<u>Medium</u>	<u>High</u>
1-4	A	--	--	1,212

3. **EVACUATION** - (See source document, Figure 6-15, for a map of evacuation zones.)

<u>Saffir-Simpson Category</u>	<u>Storm Scenario</u>	<u>Evacuate All Persons in Zones</u>	<u>Evacuate Mobile Home Residents in Zones</u>	<u>People Evacuating Dwelling Units</u>	<u>Vehicles Evacuating Dwelling Units</u>
1-4	A	1-5	6-10	1,210	900

4. **CLEARANCE TIMES (in hours)**

<u>Saffir-Simpson Category</u>	<u>Response</u>	
	Rapid	3 ¼
1-4	Medium	6 ¼
	Slow	9 ¼

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City of Newport News

1. **STORM SURGE**

<u>Saffir-Simpson Category</u>	<u>Storm Scenario</u>	<u>Maximum Surge Height (in feet) Newport News</u>	<u>Still Water Elevation Newport News Shipyard</u>
1-3	A	12.4	8.9
4	B	15.7	11.5

2. **VULNERABILITY** - (Population: 163,300)

<u>Saffir-Simpson Category</u>	<u>Storm Scenario</u>	<u>Vulnerable Population w/ Tourist Occupancy</u>		
		<u>Low</u>	<u>Medium</u>	<u>High</u>
1-4	A	--	--	8,890
4	B	--	--	25,410

3. **EVACUATION** - (See source document, Figure 6-10, for a map of evacuation zones.)

<u>Saffir-Simpson Category</u>	<u>Storm Scenario</u>	<u>Evacuate All Persons in Zones</u>	<u>Evacuate Mobile Home Residents in Zones</u>	<u>People Evacuating Dwelling Units</u>	<u>Vehicles Evacuating Dwelling Units</u>
1-3	A	1-2	3-17	8,890 to	3,450
4	B	1-7	8-17	25,410	9,875

4. **CLEARANCE TIMES (in hours)**

<u>Saffir-Simpson Category</u>	<u>Response</u>	<u>w/ Tourist Occupancy</u>	
		<u>Low</u>	<u>High</u>
1-2	Rapid	9 3/4	11 1/2
	Medium	10 1/2	12 1/4
	Slow	11 3/4	13 1/2
3-4	Rapid	19 1/2	21 1/2
	Medium	20 1/4	22 1/4
	Slow	21 1/2	23 1/2

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City of Norfolk

1. **STORM SURGE**

<u>Saffir-Simpson Category</u>	<u>Storm Scenario</u>	<u>Maximum Surge Height (in feet) Still Water Elevation</u>		
		<u>Little Creek Inlet</u>	<u>Willoughby Spit</u>	<u>Waterside</u>
1-2	A	8.7	9.8	8.0
3	B	12.1	12.5	12.3
4	C	15.0	15.5	15.0

2. **VULNERABILITY** - (Population: 285,000)

<u>Saffir-Simpson Category</u>	<u>Storm Scenario</u>	<u>Vulnerable Population w/ Tourist Occupancy</u>	
		<u>Low</u>	<u>High</u>
1-2	A	47,249	59,143
3	B	133,953	145,847
4	C	167,537	179,431

3. **EVACUATION** - (See source document, Figure 6-5, for a map of evacuation zones.)

<u>Evacuate</u>	<u>Evacuate</u>		<u>Evacuate</u>		<u>Evacuate</u>
<u>Saffir-Simpson Category</u>	<u>Storm Scenario</u>	<u>All Persons in Zones</u>	<u>Mobile Home Residents in Zones</u>	<u>People Evacuating Dwelling Units</u>	<u>Vehicles Evacuating Dwelling Units</u>
1-2	A	1-14	15-43	47,249	14,530
3	B	1-27	28-43	to	to
4	C	1-41	42,43	179,431	54,840

4. **CLEARANCE TIMES (in hours)**

<u>Saffir-Simpson Category</u>	<u>Response</u>	<u>w/ Tourist Occupancy</u>	
		<u>Low</u>	<u>High</u>
1-2	Rapid	7 3/4	9 3/4
	Medium	9 1/4	11
	Slow	11 1/4	13 1/4
3	Rapid	13 3/4	15 3/4
	Medium	15	17
	Slow	17	19 1/4
4	Rapid	16 1/4	18 1/2
	Medium	17 1/2	20
	Slow	19 3/4	22

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Northampton County

1. STORM SURGE

<u>Saffir-Simpson Category</u>	<u>Storm Scenario</u>	<u>Maximum Surge Height (in feet)</u>		<u>Still Water Elevation</u>	
		<u>Capeville</u>		<u>Hog Island</u>	
1-2	A	10.7		10.9	
3-4	B	20.1		22.6	

2. VULNERABILITY - (Population: 14,800)

<u>Saffir-Simpson Category</u>	<u>Storm Scenario</u>	<u>Vulnerable Population w/ Tourist Occupancy</u>		
		<u>Low</u>	<u>Medium</u>	<u>High</u>
1-2	A	--	--	2,460
3-4	B	--	--	4,930

3. EVACUATION - (See source document, Figure 6-3, for a map of evacuation zones.)

<u>Saffir-Simpson Category</u>	<u>Storm Scenario</u>	<u>Evacuate All Persons in Zones</u>	<u>Evacuate Mobile Home Residents in Zones</u>	<u>People Evacuating Dwelling Units</u>	<u>Vehicles Evacuating Dwelling Units</u>
1-2	A	1-6	7-17	2,460 to	1,155 to
3-4	B	1-12	13-17	4,930	2,190

4. CLEARANCE TIMES (in hours)

<u>Saffir-Simpson Category</u>	<u>Response</u>	<u>w/ Tourist Occupancy</u>	
		<u>Low</u>	<u>High</u>
1-2	Rapid	6 1/2	9
	Medium	7 1/4	9 1/2
	Slow	9 3/4	10 3/4
3-4	Rapid	7 1/4	9 3/4
	Medium	8	10 1/4
	Slow	9 3/4	11 1/4

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Northumberland County

1. STORM SURGE

<u>Saffir-Simpson Category</u>	<u>Storm Scenario</u>	<u>Maximum Surge Height (in feet) Still Water Elevation</u>			
		<u>Dividing Creek</u>	<u>Sandy Point</u>	<u>Smith Point</u>	<u>Yeocomico River</u>
1-4	A	10.7	9.6	7.1	8.6

2. VULNERABILITY - (Population: 10,300)

<u>Saffir-Simpson Category</u>	<u>Storm Scenario</u>	<u>Vulnerable Population w/ Tourist Occupancy</u>		
		<u>Low</u>	<u>Medium</u>	<u>High</u>
1-4	A	--	--	1,336

3. EVACUATION - (See source document, Figure 6-17, for a map of evacuation zones.)

<u>Saffir-Simpson Category</u>	<u>Storm Scenario</u>	<u>Evacuate All Persons in Zones</u>	<u>Evacuate Mobile Home Residents in Zones</u>	<u>People Evacuating Dwelling Units</u>	<u>Vehicles Evacuating Dwelling Units</u>
1-4 A	1-4	5-11	1,340	900	

4. CLEARANCE TIMES (in hours)

<u>Saffir-Simpson Category</u>	<u>Response</u>	
	Rapid	3 1/4
	Medium	6 1/4
	Slow	9 1/4
1-4		

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City of Poquoson

1. STORM SURGE

<u>Saffir-Simpson Category</u>	<u>Storm Scenario</u>	<u>Maximum Surge Height (in feet) Still Water Elevation</u>
1	A	4.6
2-4	B	14.9

2. VULNERABILITY - (Population: 11,400)

<u>Saffir-Simpson Category</u>	<u>Storm Scenario</u>	<u>Vulnerable Population w/ Tourist Occupancy</u>		
		<u>Low</u>	<u>Medium</u>	<u>High</u>
1	A	--	--	4,116
2-4	B	--	--	8,412

3. EVACUATION - (See source document, Figure 6-11, for a map of evacuation zones.)

<u>Saffir-Simpson Category</u>	<u>Storm Scenario</u>	<u>Evacuate All Persons in Zones</u>	<u>Evacuate Mobile Home Residents in Zones</u>	<u>People Evacuating Dwelling Units</u>	<u>Vehicles Evacuating Dwelling Units</u>
1	A	1-3	4-6	4,120 to	1,940 to
2-4	B	1-6	--	8,410	3,970

4. CLEARANCE TIMES (in hours)

<u>Saffir-Simpson Category</u>	<u>Response</u>	
1	Rapid	3
	Medium	6
	Slow	9
2-3	Rapid	4 1/2
	Medium	6
	Slow	9

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City of Portsmouth

1. STORM SURGE

<u>Saffir-Simpson Category</u>	<u>Storm Scenario</u>	<u>Maximum Surge Height (in feet) Still Water Elevation Elizabeth River Western Branch</u>
1	A	4.3
2-3	B	10.9
4	C	15.0

2. VULNERABILITY - (Population: 113,800)

<u>Saffir-Simpson Category</u>	<u>Storm Scenario</u>	<u>Vulnerable Population w/ Tourist Occupancy</u>		
		<u>Low</u>	<u>Medium</u>	<u>High</u>
1	A	--	--	500
2-3	B	--	--	21,168
4	C	--	--	60,238

3. EVACUATION - (See source document, Figure 6-7, for a map of evacuation zones.)

<u>Saffir-Simpson Category</u>	<u>Storm Scenario</u>	<u>Evacuate All Persons in Zones</u>	<u>Evacuate Mobile Home Residents in Zones</u>	<u>People Evacuating Dwelling Units</u>	<u>Vehicles Evacuating Dwelling Units</u>
1	A	--	1-16	500	179
2-3	B	6	7-16	to	to
4	C	1-14	15,16	60,238	21,320

4. CLEARANCE TIMES (in hours)

<u>Saffir-Simpson Category</u>	<u>Response</u>	
1	Rapid	3 1/4
	Medium	6 1/4
	Slow	9 1/4
2-3	Rapid	3 1/4
	Medium	6 1/4
	Slow	9 1/4
4	Rapid	5
	Medium	6 1/4
	Slow	9 1/4

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Richmond County

1. STORM SURGE

<u>Saffir-Simpson Category</u>	<u>Storm Scenario</u>	<u>Maximum Surge Height (in feet) Mollusk (Lancaster Co.)</u>	<u>Still Water Elevation Tappahannock</u>
1-4	A	10.1	10.7

2. VULNERABILITY - (Population: 353,000 -- Additional Overnight Population at Peak Season: 43,500)

<u>Saffir-Simpson Category</u>	<u>Storm Scenario</u>	<u>Vulnerable Population w/ Tourist Occupancy</u>		
		<u>Low</u>	<u>Medium</u>	<u>High</u>
1-4 A		--	--	708

3. EVACUATION - (See source document, Figure 6-16, for a map of evacuation zones.)

<u>Saffir-Simpson Category</u>	<u>Storm Scenario</u>	<u>Evacuate All Persons in Zones</u>	<u>Evacuate Mobile Home Residents in Zones</u>	<u>People Evacuating Dwelling Units</u>	<u>Vehicles Evacuating Dwelling Units</u>
1-4 A	1-5	6-11	708	370	

4. CLEARANCE TIMES (in hours)

<u>Saffir-Simpson Category</u>	<u>Response</u>	
	Rapid	3 1/4
	Medium	6 1/4
	Slow	9 1/4
1-4		

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City of Suffolk

1. **STORM SURGE**

<u>Saffir-Simpson Category</u>	<u>Storm Scenario</u>	<u>Maximum Surge Height (in feet) Pig Point</u>	<u>Still Water Elevation</u>
1-4	A	15.8	

2. **VULNERABILITY** - (Population: 54,700)

<u>Saffir-Simpson Category</u>	<u>Storm Scenario</u>	<u>Vulnerable Population w/ Tourist Occupancy</u>		
		<u>Low</u>	<u>Medium</u>	<u>High</u>
1-4	A	--	--	3,522

3. **EVACUATION** - (See source document, Figure 6-8, for a map of evacuation zones.)

<u>Saffir-Simpson Category</u>	<u>Storm Scenario</u>	<u>Evacuate All Persons in Zones</u>	<u>Evacuate Mobile Home Residents in Zones</u>	<u>People Evacuating Dwelling Units</u>	<u>Vehicles Evacuating Dwelling Units</u>
1-4	A	1-8	9-18	3,522	1,330

4. **CLEARANCE TIMES (in hours)**

<u>Saffir-Simpson Category</u>	<u>Response</u>	<u>w/Tourist Occupancy</u>	
		<u>Low</u>	<u>High</u>
1	Rapid	4	7 1/2
	Medium	6	8 1/4
	Slow	9	9 3/4
2-3	Rapid	5 1/2	10 1/2
	Medium	7	11 1/4
	Slow	9 1/4	12 1/2
4	Rapid	7 1/4	13 1/2
	Medium	8 1/4	14 1/4
	Slow	9 1/2	15 1/2

THE DATA PROVIDED IS FROM THE 1992 VIRGINIA HURRICANE EVACUATION STUDY AND WILL BE UPDATED UPON COMPLETION OF THE RESTUDY THAT IS ON GOING AT THE TIME OF THIS REVISION.

City of Virginia Beach

1. **STORM SURGE**

<u>Saffir-Simpson Category</u>	<u>Storm Scenario</u>	<u>Maximum Surge Height (in feet) Still Water Elevation</u>			
		<u>Back Bay</u>	<u>Sandbridge</u>	<u>Rudee Inlet</u>	<u>Lynnhaven Inlet</u>
1-2	A	3.6	8.2	8.2	8.2
3	B	5.2	11.7	11.4	11.7
4	C	15.0	14.4	14.4	14.3

2. **VULNERABILITY** - (Population: 353,000 -- Additional Overnight Population at Peak Season: 43,500)

<u>Saffir-Simpson Category</u>	<u>Storm Scenario</u>	<u>Vulnerable Population w/ Tourist Occupancy</u>		
		<u>Low</u>	<u>Medium</u>	<u>High</u>
1-2	A	45,091	69,024	77,726
3	B	71,747	95,680	104,382
4	C	96,813	120,746	129,448

3. **EVACUATION** - (See source document, Figure 6-4, for a map of evacuation zones.)

<u>Saffir-Simpson Category</u>	<u>Storm Scenario</u>	<u>Evacuate All Persons in Zones</u>	<u>Evacuate Mobile Home Residents in Zones</u>	<u>People Evacuating Dwelling Units</u>	<u>Vehicles Evacuating Dwelling Units</u>
1-2	A	1-13	14-45	45,091	22,510
3	B	1-23	24-45	to	to
4	C	1-37	38-45	129,448	54,655

4. **CLEARANCE TIMES (in hours)**

<u>Saffir-Simpson Category</u>	<u>Response</u>	<u>w/ Tourist Occupancy</u>		
		<u>Low</u>	<u>Medium</u>	<u>High</u>
1-2	Rapid	8 1/2	12 1/4	15 1/2
	Medium	10	14 1/2	19 1/2
	Slow	12 1/4	18	25 1/4
3	Rapid	9 3/4	13 1/2	16 3/4
	Medium	11 1/4	15 3/4	20 1/2
	Slow	13 1/2	19 1/4	26 1/2
4	Rapid	10	13 3/4	17
	Medium	11 1/2	16	21
	Slow	13 3/4	19 1/2	26 3/4

THE DATA PROVIDED IS FROM THE 1992 VIRGINIA HURRICANE EVACUATION STUDY AND WILL BE UPDATED UPON COMPLETION OF THE RESTUDY THAT IS ON GOING AT THE TIME OF THIS REVISION.

Westmoreland County

1. STORM SURGE

<u>Saffir-Simpson Category</u>	<u>Storm Scenario</u>	<u>Maximum Surge Height (in feet) Still Water Elevation</u>		
		<u>Yeocomico River</u>	<u>Coles Point</u>	<u>Colonial Beach</u>
1-4	A	8.6	8.9	10.7

2. VULNERABILITY - (Population: 14,500)

<u>Saffir-Simpson Category</u>	<u>Storm Scenario</u>	<u>Vulnerable Population w/ Tourist Occupancy</u>		
		<u>Low</u>	<u>Medium</u>	<u>High</u>
1-4	A	--	--	1,412

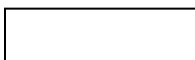
3. EVACUATION - (See source document, Figure 6-19, for a map of evacuation zones.)

<u>Saffir-Simpson Category</u>	<u>Storm Scenario</u>	<u>Evacuate All Persons in Zones</u>	<u>Evacuate Mobile Home Residents in Zones</u>	<u>People Evacuating Dwelling Units</u>	<u>Vehicles Evacuating Dwelling Units</u>
1-4 A	1-4	5-10	1,412	840	

4. CLEARANCE TIMES (in hours)

<u>Saffir-Simpson Category</u>	<u>Response</u>	
1-4	Rapid	3 1/4
	Medium	6 1/4
	Slow	9 1/4

THE DATA PROVIDED IS FROM THE 1992 VIRGINIA HURRICANE EVACUATION STUDY AND WILL BE UPDATED UPON COMPLETION OF THE RESTUDY THAT IS ON GOING AT THE TIME OF THIS REVISION.



York County

1. STORM SURGE

<u>Saffir-Simpson Category</u>	<u>Storm Scenario</u>	<u>Maximum Surge Height (in feet) Croaker Landing</u>	<u>Still Water Elevation Yorktown</u>
2-4	A	13.5	15.6

2. VULNERABILITY - (Population: 43,200)

<u>Saffir-Simpson Category</u>	<u>Storm Scenario</u>	<u>Vulnerable Population w/ Tourist Occupancy</u>		
		<u>Low</u>	<u>Medium</u>	<u>High</u>
2-4	A	--	--	12,182

3. EVACUATION - (See source document, Figure 6-12, for a map of evacuation zones.)

<u>Saffir-Simpson Category</u>	<u>Storm Scenario</u>	<u>Evacuate All Persons in Zones</u>	<u>Evacuate Mobile Home Residents in Zones</u>	<u>People Evacuating Dwelling Units</u>	<u>Vehicles Evacuating Dwelling Units</u>
2-4	A	1-5	6-12	12,180	5,280

4. CLEARANCE TIMES (in hours)

<u>Saffir-Simpson Category</u>	<u>Response</u>	<u>w/ Tourist Occupancy</u>	
		<u>Low</u>	<u>High</u>
1-2	Rapid	9 1/2	11 1/2
	Medium	10	12
	Slow	11	13 1/4
3-4	Rapid	16 3/4	19 1/4
	Medium	17 1/2	20
	Slow	18 1/4	21

*Source: Virginia Hurricane Evacuation Study, Technical Data Report, U. S. Army Corps of Engineers, April 1992.

THE DATA PROVIDED IS FROM THE 1992 VIRGINIA HURRICANE EVACUATION STUDY AND WILL BE UPDATED UPON COMPLETION OF THE RESTUDY THAT IS ON GOING AT THE TIME OF THIS REVISION.

Commonwealth of Virginia Emergency Operations Plan
Hurricane Emergency Response Plan
Appendix 4, Selected Hurricane Evacuation Data

4-19

HURRICANE EVACUATION DESTINATIONS

RISK LOCALITY	Maximum Vulnerable*	Percent Evacuating	People Evacuating	People To Shelters*	Shelter Capacity	People to Local Friends**	People to Local Hotels**	People Leaving Locality
Accomack Co.	29,200	90	26,280	6,732	5,700	4,121	566	17,771
Northampton Co.	4,930	90	4,437	1,881	2,020	1,347	0	1,704
Chesapeake	48,410	75	36,308	7,735	6,400	22,116	752	17,809
Portsmouth	60,240	75	45,180	8,001	15,878	33,006	3,013	16,220
Suffolk	3,520	30	1,056	733	1,700	1,712	113	966
Norfolk	179,800	90	161,820	23,388	27,650	68,060	9,719	78,613
Virginia Beach	129,450	90	116,505	13,553	30,155	49,320	4,725	87,380
Hampton	76,890	90	69,201	7,826	5,890	34,042	1,965	33,058
Newport News	25,410	90	22,869	7,250	9,180	11,830	921	5,411
Poquoson	8,410	90	7,569	1,072	800	3,486	191	3,665
York Co.	12,180	75	9,135	1,627	10,500	4,538	542	5,477
Gloucester Co.	10,670	75	8,002	2,138	1,200	6,413	0	2,125
Mathews Co.	6,326	75	4,747	960	1,000	2,808	0	2,165
Middlesex Co.	1,210	30	363	307	---	702	0	205
Lancaster Co.	2,140	30	642	481	---	1,252	0	407
Richmond Co.	710	30	213	214	---	405	0	92
Northumberland Co.	1,340	30	402	351	---	772	0	214
Westmoreland Co.	1,410	30	423	461	---	798	0	154
TOTALS				84,710		246,728	22,507	273,436

*Planning assumptions for Virginia, Virginia Hurricane Evacuation Study, January 1992 Category 3-4, High Season Occupancy

**Source: Annex E of the "Transportation Model Support Document (July 1, '90) to the Virginia Hurricane Evacuation Study

THE DATA PROVIDED IS FROM THE 1992 VIRGINIA HURRICANE EVACUATION STUDY AND WILL BE UPDATED UPON COMPLETION OF THE RESTUDY THAT IS ON GOING AT THE TIME OF THIS REVISION.